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MAY 1948

# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES\*

MARCH 1948

**INSTRUCTIONS:** Not more than five publications will be sent free. Technical publications and those marked "Restricted" are furnished only to applicants whose activities justify such action. Foreign correspondents as well as persons not qualified for technical material should address requests, together with their remittances to: Superintendent of Documents, Government Printing Office, Washington 25, D. C. Foreign correspondents should also add one-third of the cost of publications to defray postage charges.

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### BULLETIN OF THE MONTH

#### "Common Diseases of Important Shade Trees" Farmers' Bulletin 1987

Chief characteristics and control measures of common types as well as specific diseases of shade trees are described in this new bulletin.

### AGRICULTURAL INFORMATION SERIES

**Know your watersheds.** Forest Service. 13 p., illus. (IS 67.) Price 5¢.

A watershed is an area of land from which a stream gets its supply of water. This booklet gives some facts about water. It tells what we must guard against, and what we can do to assure safe and dependable water supplies.

### CIRCULARS

**Falling of wheat culms due to lodging, buckling, and breaking.** Hurley Fellows. Bureau of Plant Industry, Soils, and Agricultural Engineering. 16 p., illus. (C 767.) Price 5¢.

The losses each year from the falling of wheat and other small grains as the result of lodging, buckling, and breaking of wheat culms are considerable, and in some years and in some areas they are of critical importance. The purpose of this circular is to describe the various symptoms and conditions in wheat, as learned through scientific research, to aid in recognizing the causes.

**Spacing distances for windbreak trees on the Northern Great Plains.** Ernest J. George. Bureau of Plant Industry, Soils, and Agricultural Engineering. 28 p., illus. (C 770.) Price 10¢.

This circular discusses the growth and survival of trees spaced at various distances.

**Ammonium nitrate for crop production.** Colin W. Whittaker, Bailey E. Brown and J. Richard Adams. Bureau of Plant Industry, Soils, and Agricultural Engineering. 28 p., illus. (C 771.) Price 10¢.

The purpose of this circular is to acquaint agricultural workers and the interested public with facts on the production, properties, and uses of this new nitrogen fertilizer.

**Seeding as a means of reforestation in the Northern Rocky Mountain Region.** C. S. Schopmeyer and A. E. Helmers. Forest Service. 31 p., illus. (C 772.) Price 10¢.

Experiments with direct seeding in order to speed up the rate of reforestation are described in this paper.

### FARMERS' BULLETINS

**Growing cherries east of the Rocky Mountains.** Leon Havis. Bureau of Plant Industry, Soils, and Agricultural Engineering. 30 p., illus. (F 776, rev.) Price 10¢.

This revised bulletin outlines general directions for cherry growing which should be of most value to those who have had only limited experience with this crop. The suggestions made are intended only as a guide, since specific conditions call for more specific recommendations than can be given in a general bulletin.

**Potato diseases and their control.** T. P. Dykstra. Bureau of Plant Industry, Soils, and Agricultural Engineering. 53 p., illus. (F 1881, rev.) Price 15¢.

This revised bulletin contains descriptions of diseases with which growers of potato table stock are concerned and gives the measures recommended for their control.

\*Compiled by Eleanor W. Clay, Office of Information.

**Potato production in the Northeastern and North Central States.** P. M. Lombard, B. E. Brown and T. P. Dykstra. Bureau of Plant Industry, Soils, and Agricultural Engineering. 70 p., illus. (F 1958, rev.) Price 20¢.

This revised bulletin discusses various factors affecting potato production, including the soil and its preparation; planting operations and subsequent cultural care of the crop.

**Common diseases of important shade trees.** Rush P. Marshall and Alma M. Waterman. Bureau of Plant Industry, Soils, and Agricultural Engineering. 53 p., illus. (F 1987.) Price 15¢. See page 1.

**Tree planting in the Central, Piedmont, and Southern Appalachian Regions.** Leon S. Minckler and Arthur G. Chapman. Forest Service. 39 p., illus. (F 1994.) Price 15¢.

The purpose of this bulletin is to help you learn what lands should be planted to trees, what trees to plant, how to plant them, and how to care for your tree crops.

#### MISCELLANEOUS PUBLICATIONS

**Handbook on insect enemies of flowers and shrubs.** C. A. Weigel and L. G. Baumhofer. Bureau of Entomology and Plant Quarantine. 115 p., illus. This publication supersedes F 1495, *Insect enemies of the flower garden*. (M 626.) Price 35¢. For sale only.<sup>1</sup>

This information should enable the gardener to recognize the common insect and related pests he may encounter in the flower garden and to apply the proper remedies.

**Educational exhibits, how to prepare and use them.** H. W. Gilbertson. Extension Service. 41 p., illus. This publication is a revision of DC 385, *How to prepare and display extension exhibits*, and supersedes it. (M 634.) Price 25¢. For sale only.<sup>1</sup>

The primary purpose of this manual is to guide those who, with limited funds, are faced with the problem of preparing simple, effective educational exhibits. The manual also contains many suggestions for preparing charts, maps, and other visual aids, which can be used effectively at educational meetings as well as in exhibits.

**The North American species of whiteflies of the genus *Trialeurodes*.** Louise M. Russell. Bureau of Entomology and Plant Quarantine. 85 p., illus. (M 635.) Price 25¢. For sale only.<sup>1</sup>

In this region this genus is of particular interest because of its wide distribution, the number and diversity of its food plants, and the injuriousness of certain species.

**Your farmhouse—Planning the bathroom.** Bureau of Human Nutrition and Home Economics and Bureau of Plant Industry, Soils, and Agricultural Engineering. 16 p., illus. (M 638.) Price 10¢. For sale only.<sup>1</sup>

This new publication will serve as a helpful guide whether you are planning a new bathroom in an old house or building everything new.

**Watershed management for summer flood control in Utah.** Reed W. Bailey, George W. Craddock, and A. R. Croft. Forest Service. 24 p., illus. (M 639.) Price 10¢.

This publication briefly reports the evidence of the way in which destructive mud-rock flows were caused in parts of Davis County, Utah. It also describes the watershed management practices and improvement measures by which these floods were controlled. Communities in Utah and elsewhere where floods are possible can profitably study these examples of effective watershed restoration and watershed management.

**The balance sheet of agriculture, 1947.** Bureau of Agricultural Economics. 74 p., illus. (M 642.) Price 15¢.

This is the third of a series of annual reports which are designed to carry forward the comparative balance sheet of agriculture.

**Directory of U. S. Register of merits sires and dams qualifying under the National Poultry Improvement Plan, 1945-1946.** Bureau of Animal Industry. 91 p. (M 644.) Price 30¢. For sale only.<sup>1</sup>

This directory is published to give official recognition to the sires and dams that reached the highest breeding stage of the National Poultry Improvement Plan during the 1945-46 trap-nest record year.

**A step-saving U kitchen.** Bureau of Human Nutrition and Home Economics. 12 p., illus. (M 646.) Price 10¢. For sale only.<sup>1</sup>

Designs and suggestions for a convenient farm kitchen are presented.

#### SERVICE AND REGULATORY MATERIAL

**List of intercepted plant pests, 1946.** Bureau of Entomology and Plant Quarantine. 54 p.

**Service and regulatory announcements.** Bureau of Animal Industry. Pp. 9-19. (SRA-BAI 490.) Price 5¢ a copy, 25¢ a year, domestic, 45¢ a year foreign.<sup>1</sup>

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

## TECHNICAL BULLETINS

**Effect of gypsum, organic matter, and drying on infiltration of a sodium water into a fine sandy loam.** Bureau of Plant Industry, Soils, and Agricultural Engineering. 36 p., illus. (T 937.) Price 10¢.

The field and laboratory results of an experimental planting of a date palm garden at the Torres-Martinez Indian Reservation in California are here summarized.

**Cultural practices as related to incidence of cotton root rot in Texas.** Bureau of Plant Industry, Soils, and Agricultural Engineering and Texas Agricultural Experiment Station. 42 p. illus. (T 948.) Price 15¢.

Results of experiments on the relation of cultural practices to the occurrence of this cotton disease are summarized. Cotton root rot is the most destructive disease of cotton in the southwestern United States.

**Physiologic specialization in the oat smut fungi and its relation to breeding oats for smut resistance.** C. S. Holton and H. A. Rodenhiser. Bureau of Plant Industry, Soils and Agricultural Engineering. 16 p. (T 952.) Price 5¢.

A knowledge of the prevalence and distribution of oat smut races is an important consideration in the development and introduction of new oat varieties. This bulletin presents the results of experiments begun in 1936 for the purpose of systematizing the identification of oat smut races.

## OTHER PUBLICATIONS

**Compilation of Agricultural Marketing Agreement Act of 1937.** Production and Marketing Administration. 24 p.

**Cotton quality statistics United States, 1946-47.** Production and Marketing Administration. 62 p. (CS 26.)

**Report of the Administrator of Agricultural Research, 1947.** W. V. Lambert. Price 60¢. For sale only.<sup>1</sup>

## PERIODICALS

**Agriculture decisions.** Vol. 6, No. 12, December 1947; Vol. 7, No. 1, January 1948. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.<sup>1</sup>

**The agricultural situation.** Vol. 32, No. 2. February 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Bibliography of agriculture.** Vol. 12, No. 3, March 1948. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.<sup>1</sup>

**Foreign agriculture.** Vol. XII, No. 3, March 1948. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.<sup>1</sup>

**Index to Experiment Station Record Volume 95.** July-December 1946. Price 25¢.

This publication of the Experiment Station Record is discontinued indefinitely with the issuance of this Index number of Volume 95.

<sup>1</sup> See footnote 1, page 2.

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**Journal of agricultural research.** Price \$2.25 a year, domestic; \$3.00 a year, foreign.<sup>1</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

Separate, 5¢ domestic; 8¢ foreign.<sup>1</sup> The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

— Vol. 76, Nos. 5 and 6. March 1 and 15, 1948. Illus. Contents:

Yield, composition, and other latex characteristics of *Cryptostegia grandiflora* (G-1390). W. S. Stewart, J. Bonner, and R. W. Hummer.

Susceptibility of guayule to verticillium wilt and influence of soil temperature and moisture on development of infection (G-1391). Henry Schneider.

Sucrose, dextrose, and levulose content of some domestic varieties of sorgo at different stages of maturity (E-102). Emil K. Ventre, S. Byall and J. L. Catlett.

**Soil conservation.** Vol. XIII, No. 8. March 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

### MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

**THEN IT HAPPENED.** 16 mm., color, sound. Running time, 10 minutes. Released, 1948.

A dramatic documentary of the destruction of Maine's beautiful and valuable forests. There are breath-taking views of the raging fires that claimed human lives, destroyed farms and villages, as well as famed summer resorts in the vicinity of Bar Harbor. The need for forest fire prevention and adequate forest fire-fighting measures everywhere is tragically portrayed. (Available from some film libraries, U. S. Forest Service regional offices in Missoula, Mont.; Denver, Colo.; Albuquerque, N. Mex.; Ogden, Utah; San Francisco, Calif.; Portland, Oreg.; Philadelphia, Pa.; Atlanta, Ga.; Milwaukee, Wis.; State Foresters in the state capitals, and by purchase.)

**IT'S NO PICNIC.** 16 mm., color, sound. Running time, 30 minutes. Released, 1948.

A family group enjoys a Sunday afternoon in the woods. A beautiful spot is chosen for their picnic lunch—with campfire and hot dogs, the things children delight in. The campfire is carefully extinguished, but—Dad, unwittingly, is careless with his pipe and the beautiful woods becomes a blackened waste. The "day of rest" becomes a day of toil and desolation. Dad is sentenced to a course in FIRE PREVENTION and is an apt and willing pupil. (Available from U. S. Forest Service, Philadelphia, Pa.; State Foresters in the Eastern states, and by purchase. No prints in libraries.)

<sup>1</sup> See footnote 1, page 2.

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